

Appendix Test Data

Report No.:	1812C50140912501	Test Sample No.:	1-2-2
Start Test Date:	2025.04.14	Finish Test Date:	2025.04.14
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.4°C	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.648	2402.344	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.656	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.684	2479.656	2480.340	0.5	PASS



Test Graphs

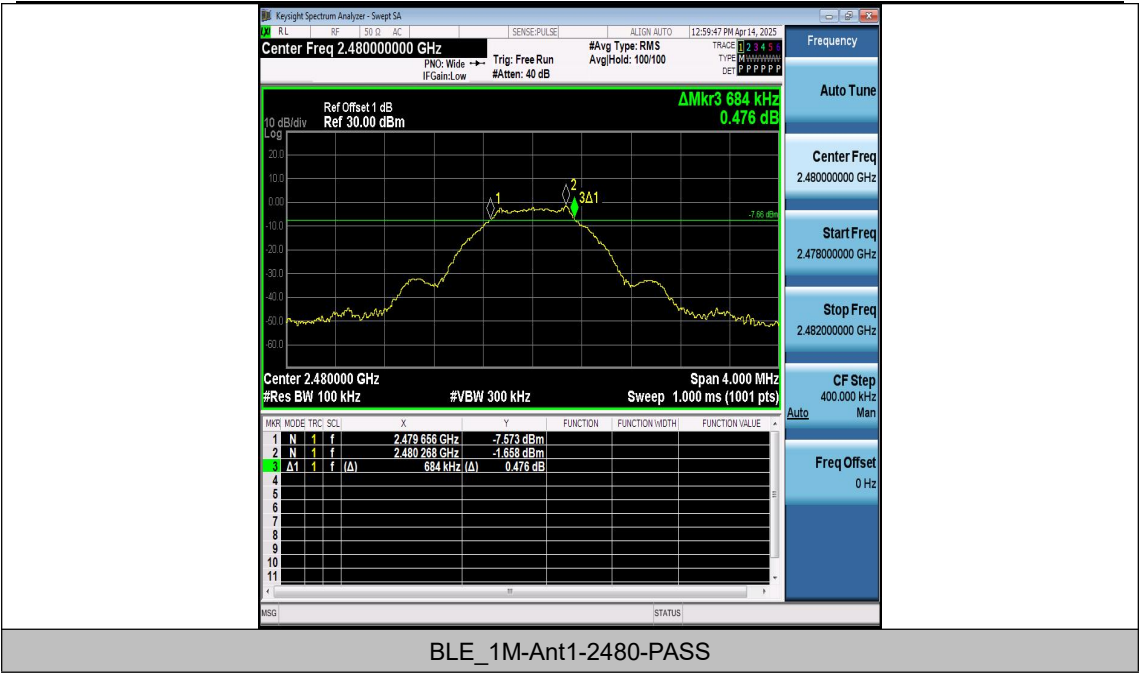


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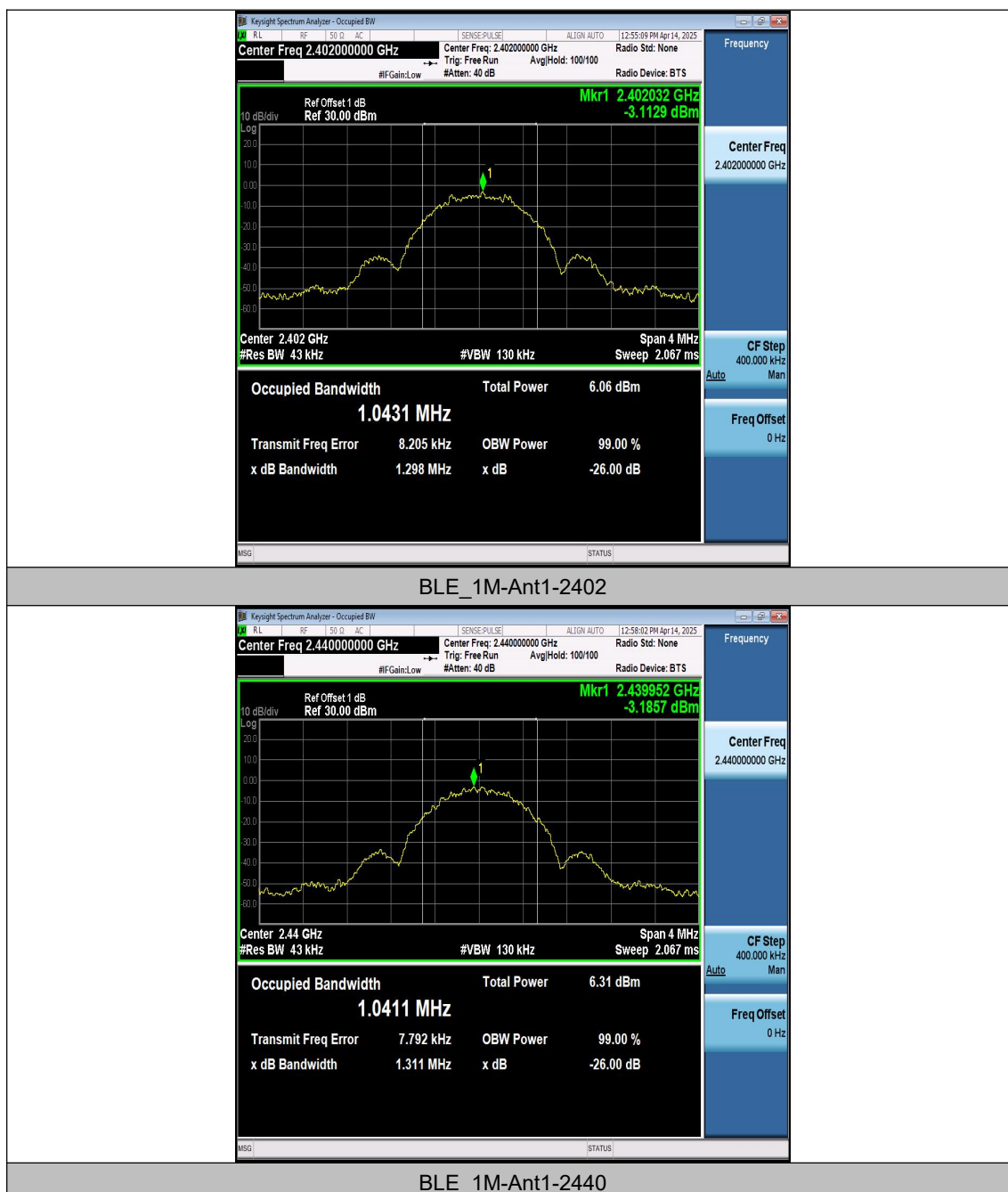
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Appendix B: 99% Occupied Bandwidth

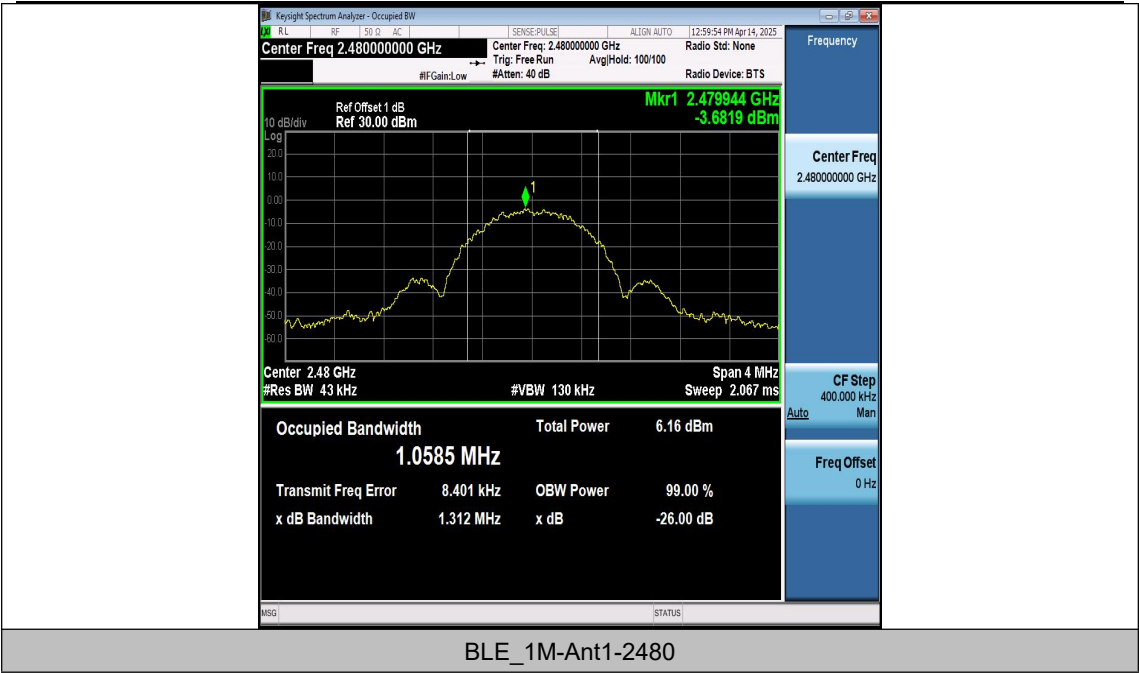
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0431	2401.4867	2402.5298	---	---
BLE_1M	Ant1	2440	1.0411	2439.4872	2440.5283	---	---
BLE_1M	Ant1	2480	1.0585	2479.4792	2480.5377	---	---

Test Graphs



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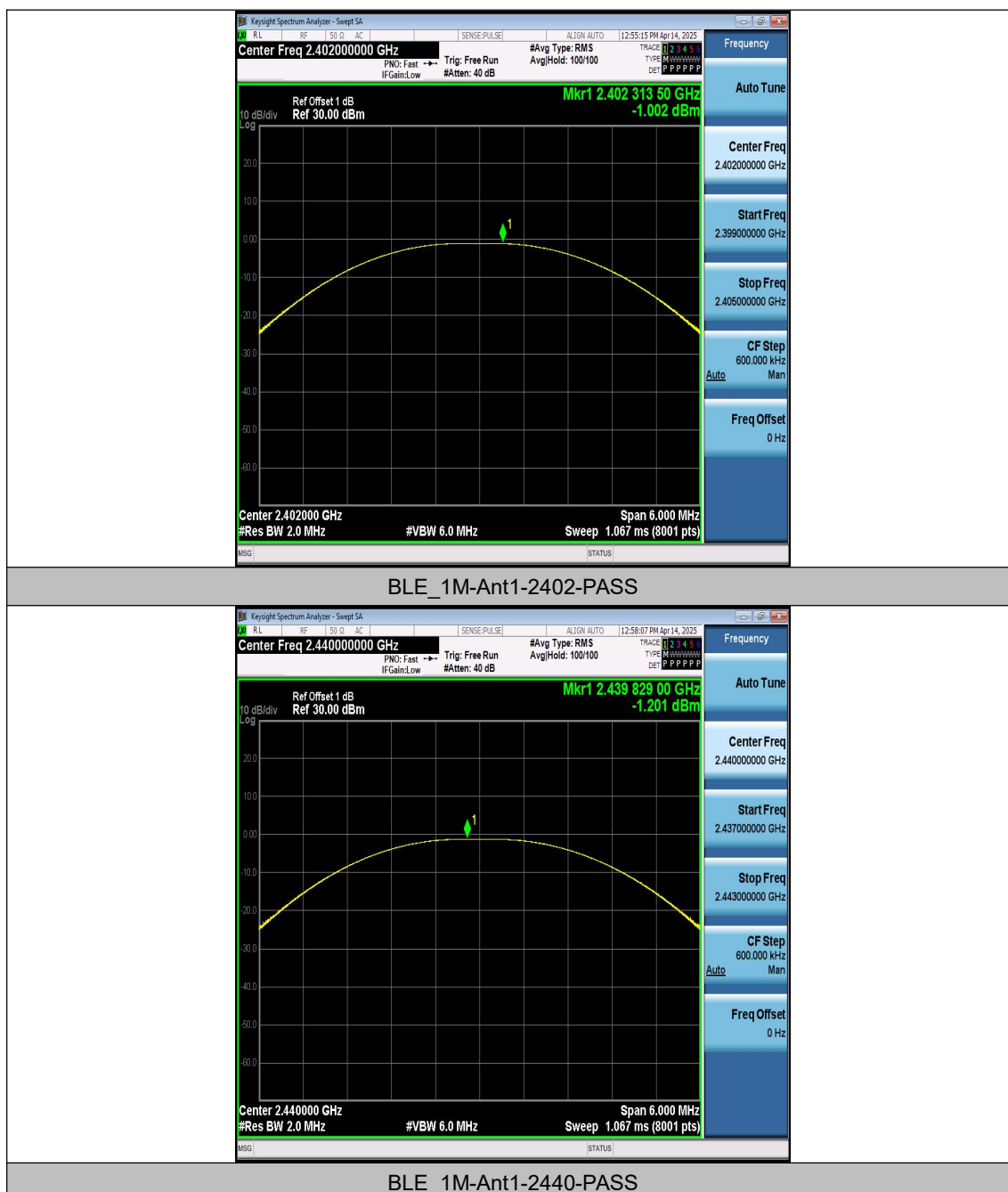
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Appendix C: Maximum conducted output power

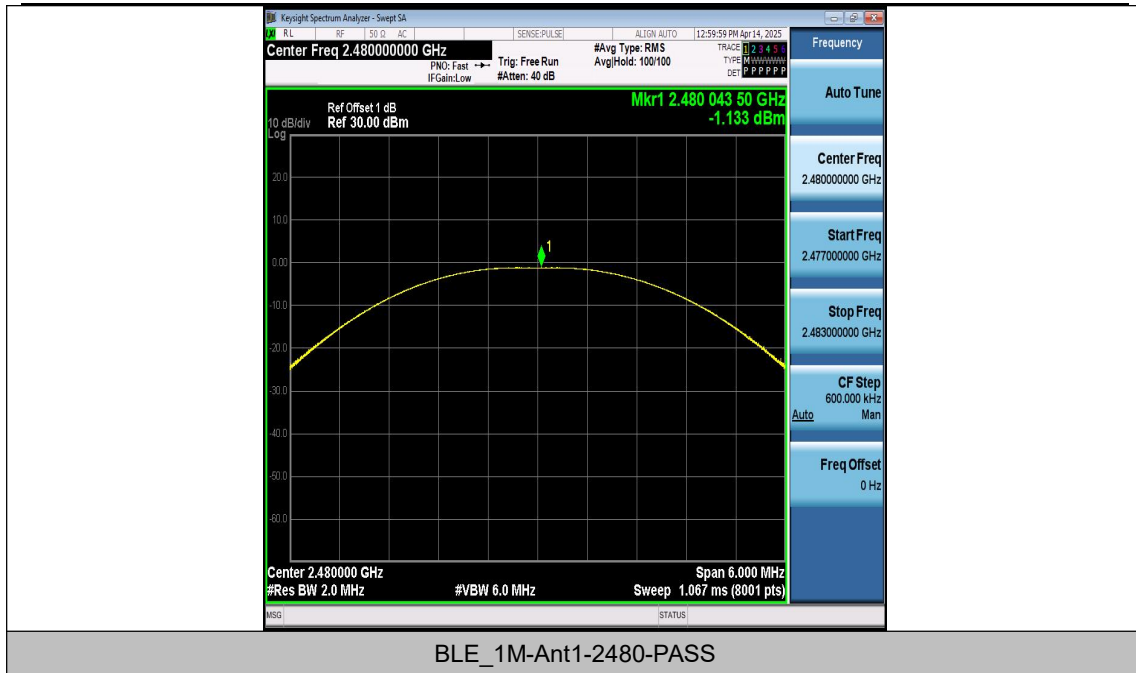
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.00	≤30	PASS
BLE_1M	Ant1	2440	-1.20	≤30	PASS
BLE_1M	Ant1	2480	-1.13	≤30	PASS

Test Graphs Peak



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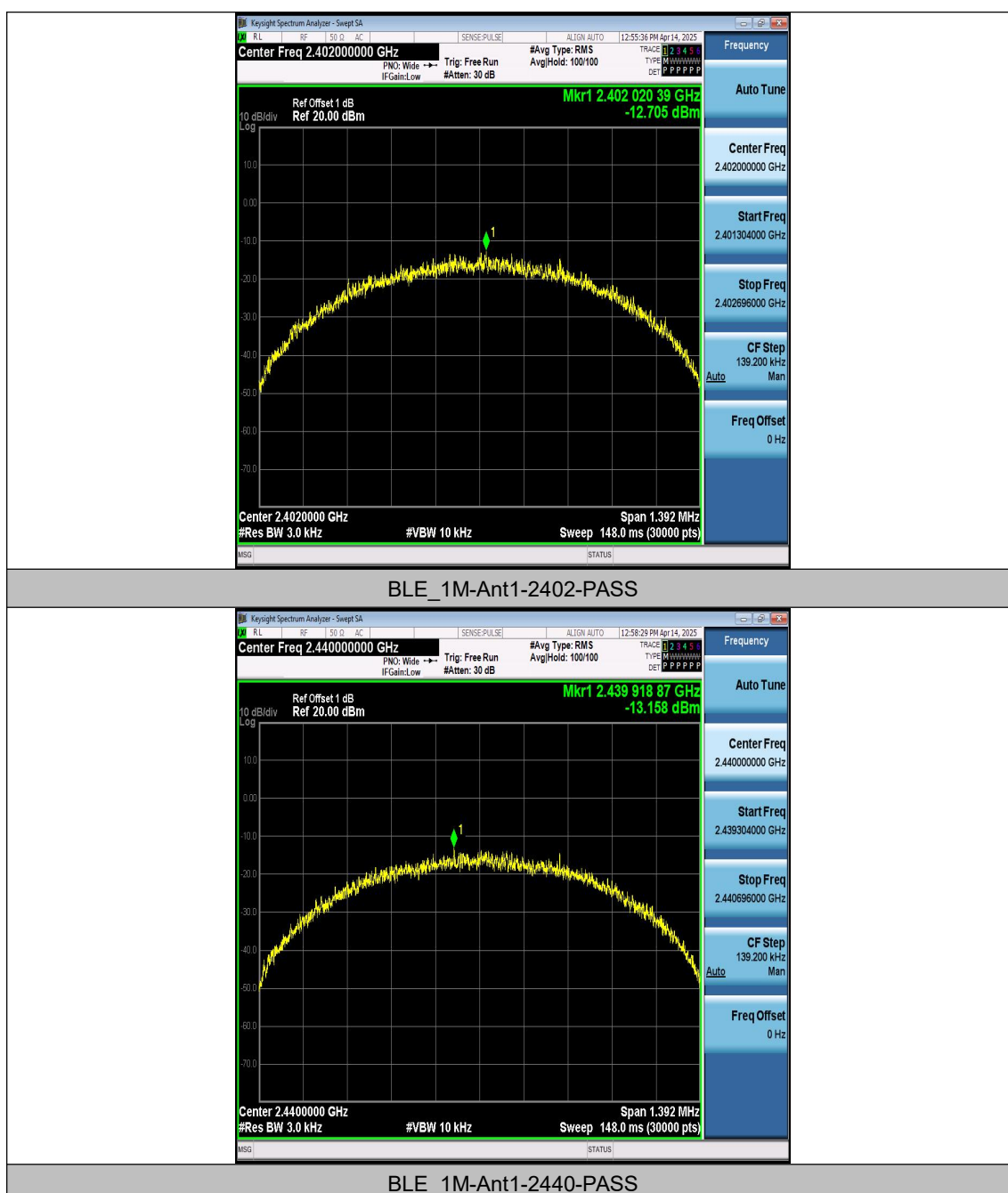
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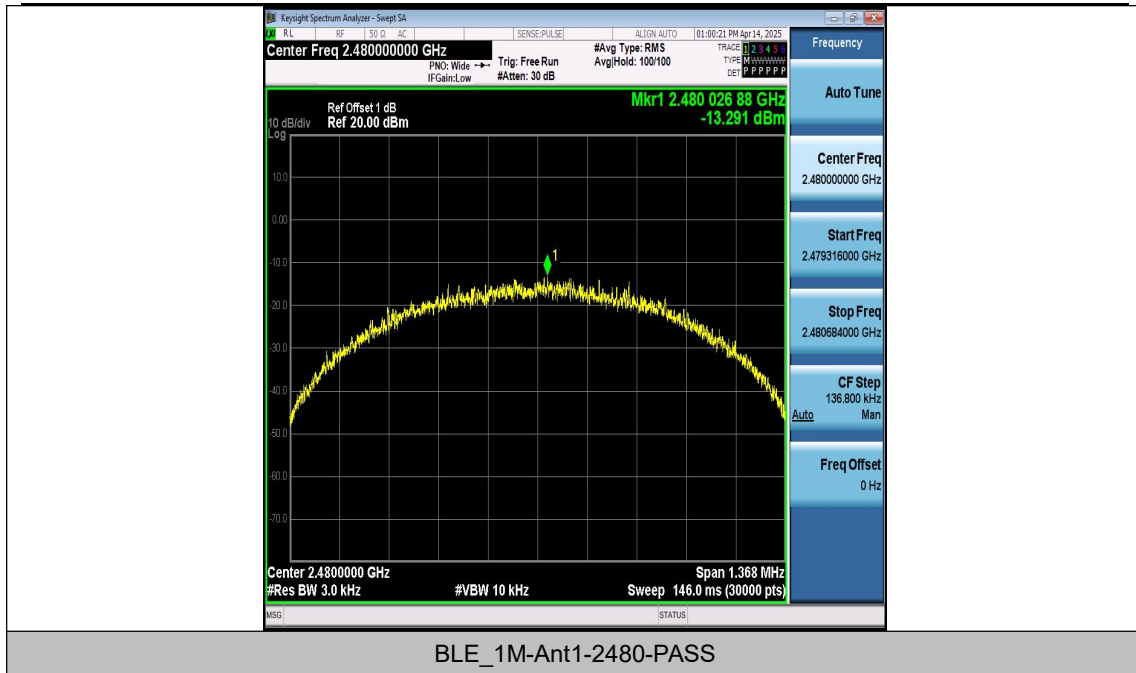
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.71	≤8.00	PASS
BLE_1M	Ant1	2440	-13.16	≤8.00	PASS
BLE_1M	Ant1	2480	-13.29	≤8.00	PASS

Test Graphs





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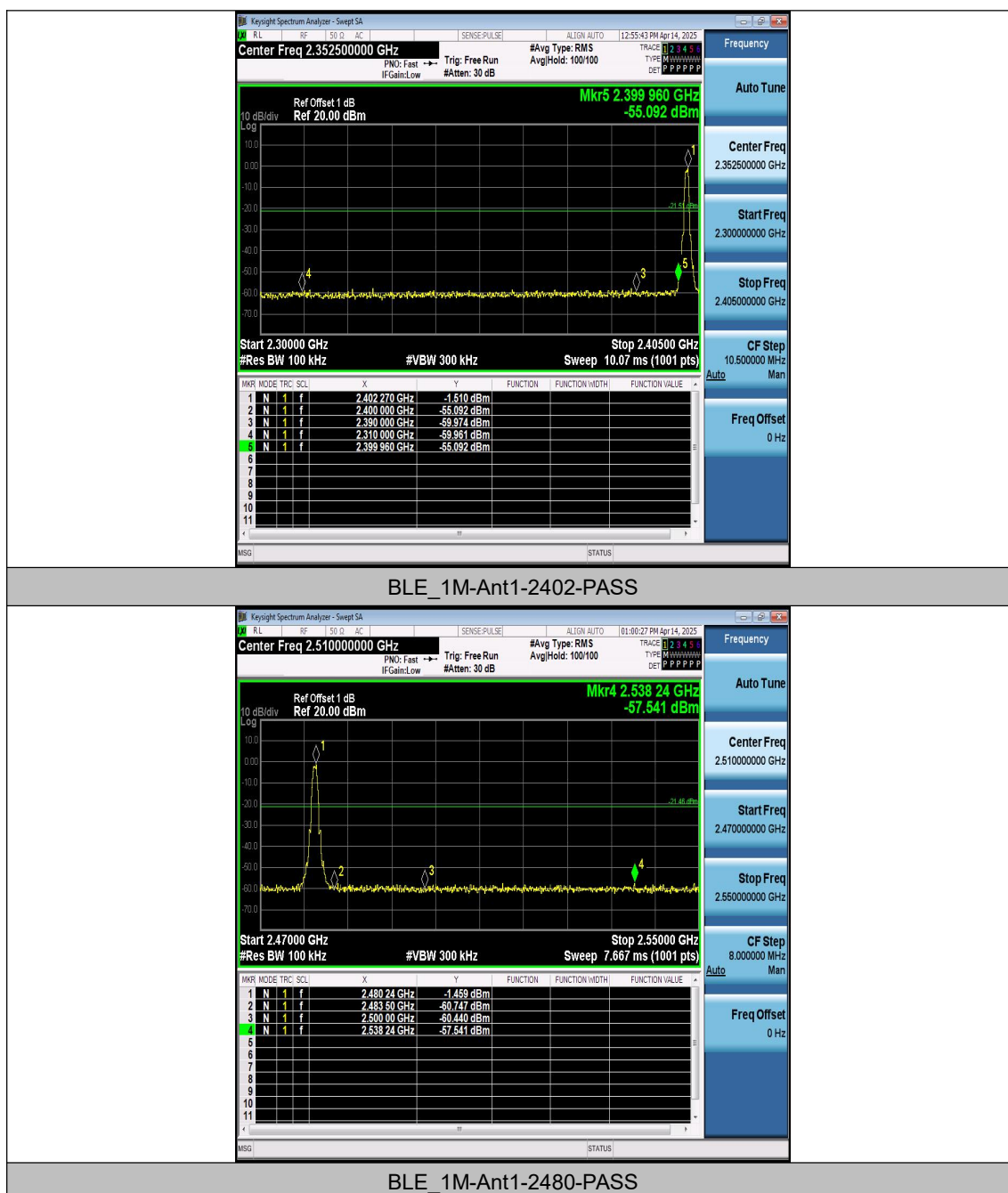
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.51	-55.09	≤-21.51	PASS
BLE_1M	Ant1	High	2480	-1.46	-57.54	≤-21.46	PASS

Test Graphs



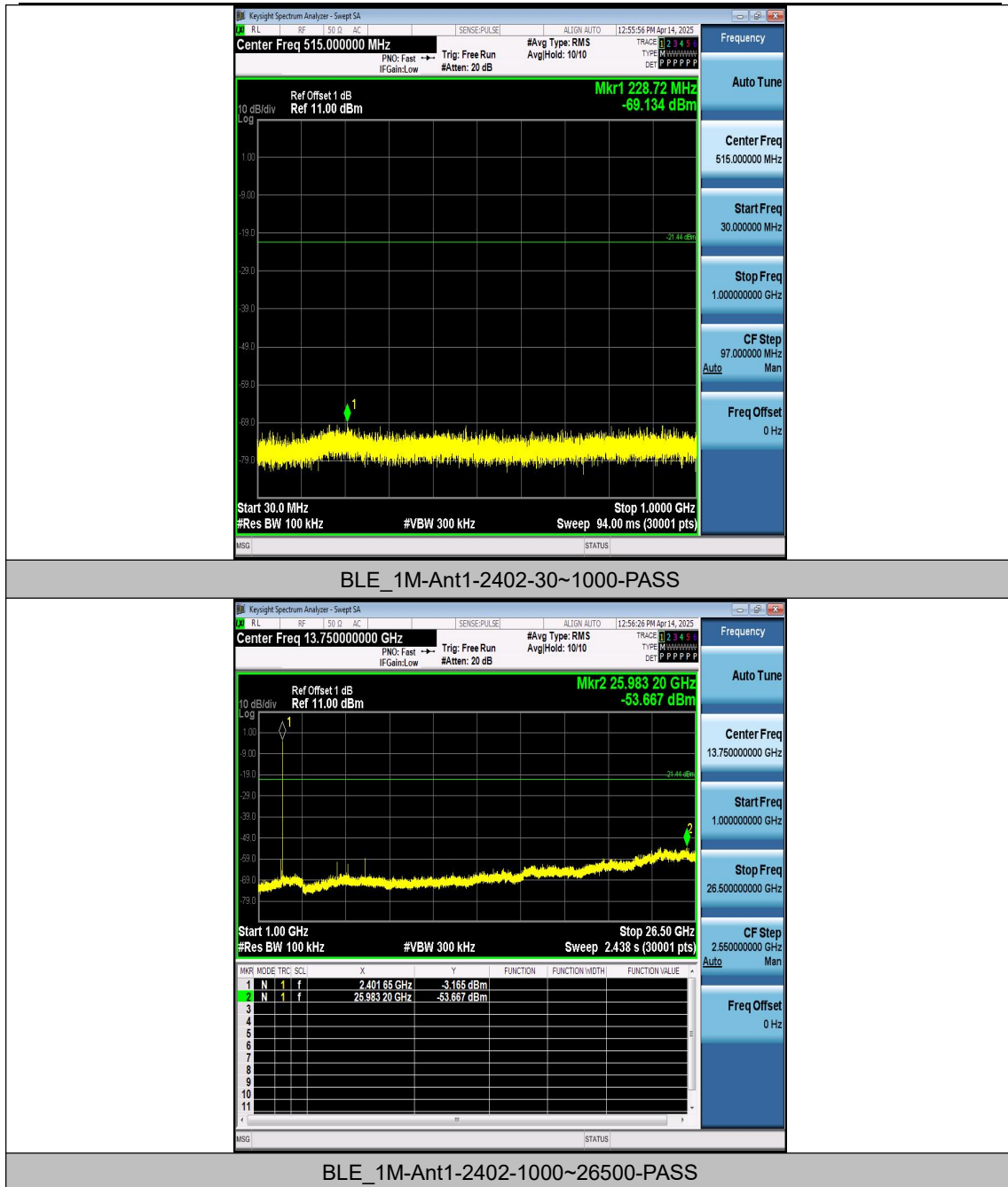
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.44	-1.44	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.44	-69.13	≤-21.44	PASS
BLE_1M	Ant1	2402	1000~26500	-1.44	-53.67	≤-21.44	PASS
BLE_1M	Ant1	2440	0~Reference	-1.78	-1.78	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.78	-69.32	≤-21.78	PASS
BLE_1M	Ant1	2440	1000~26500	-1.78	-53.4	≤-21.78	PASS
BLE_1M	Ant1	2480	0~Reference	-1.80	-1.80	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.80	-68.98	≤-21.8	PASS
BLE_1M	Ant1	2480	1000~26500	-1.80	-53.29	≤-21.8	PASS

Test Graphs



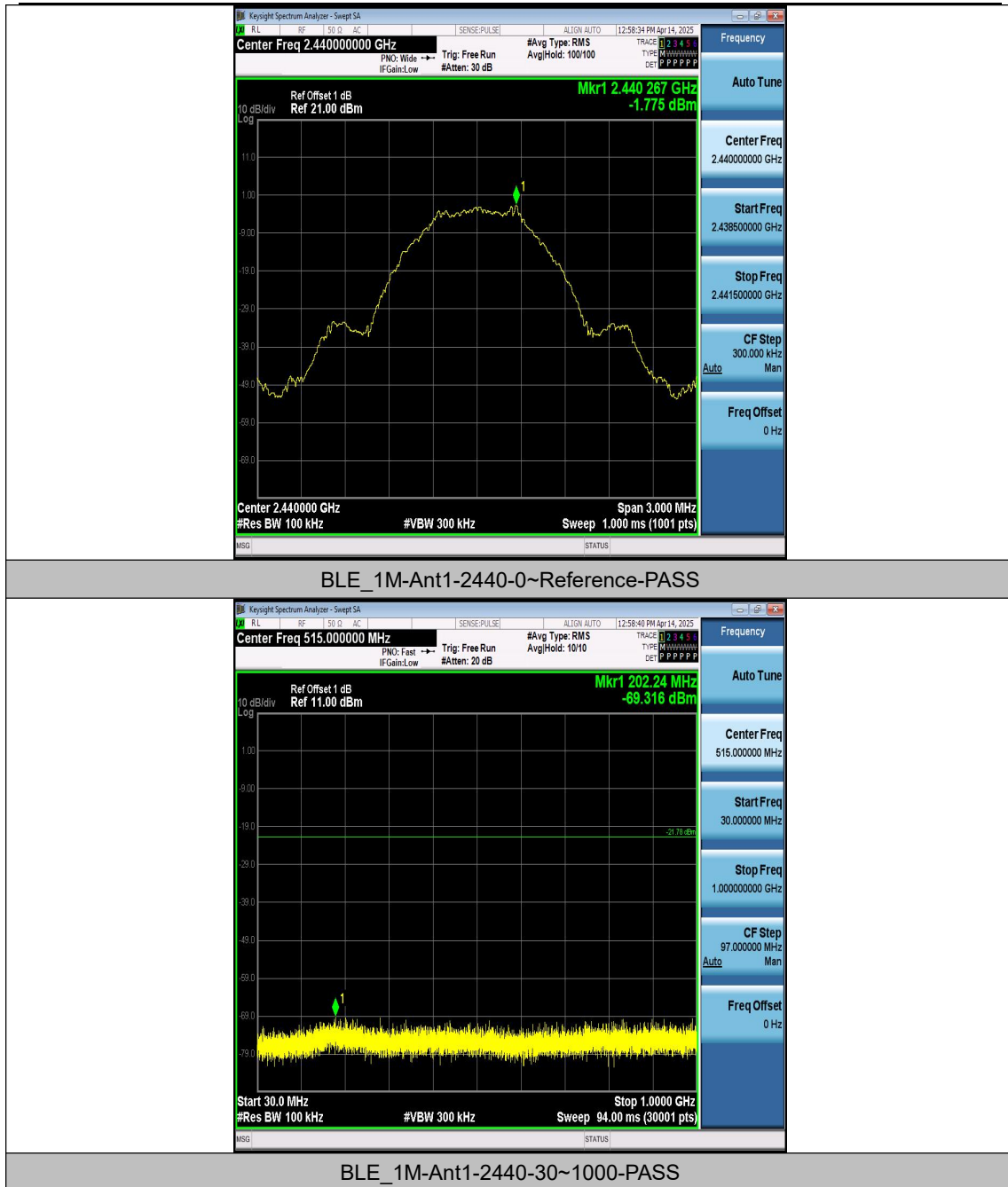


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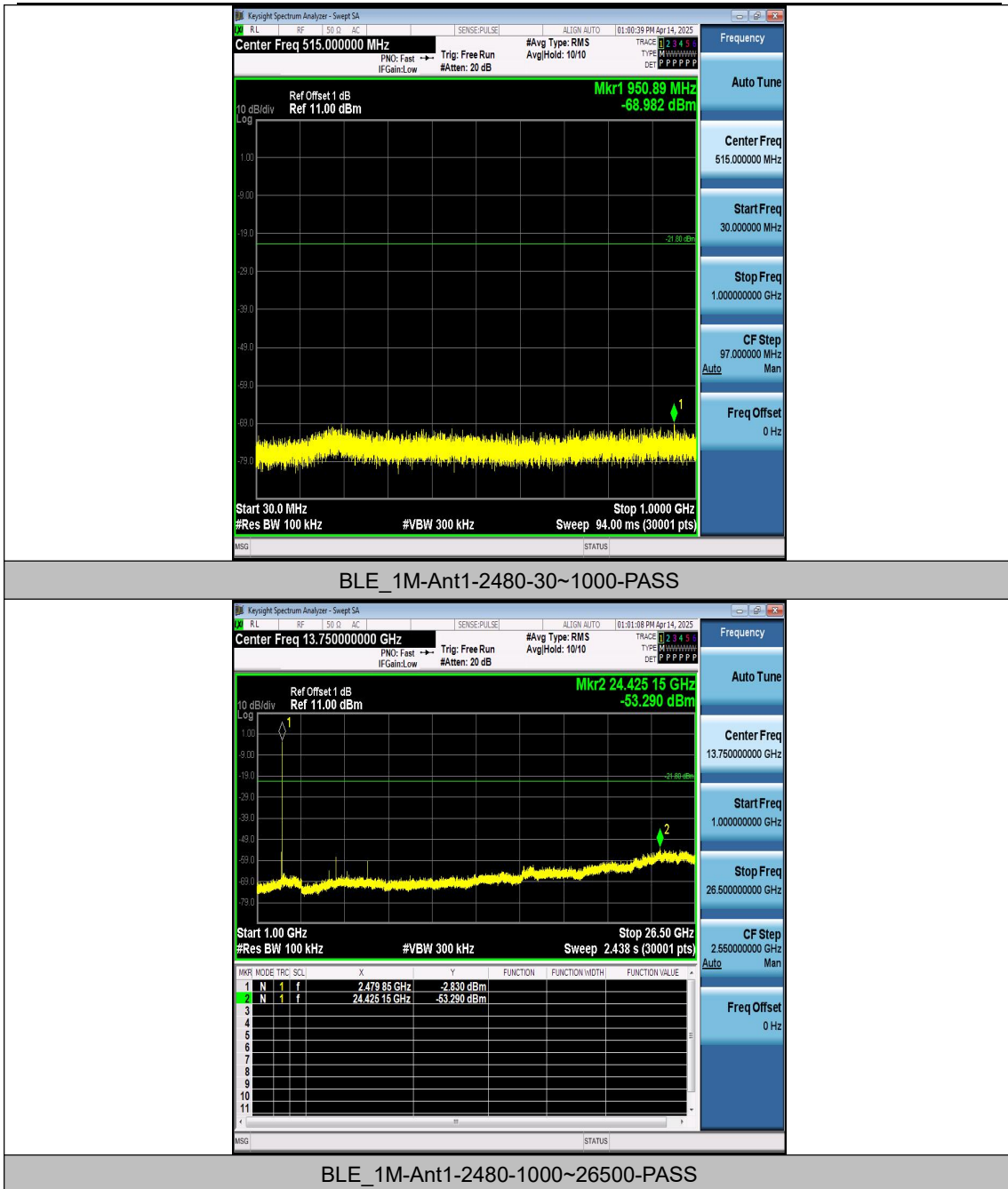


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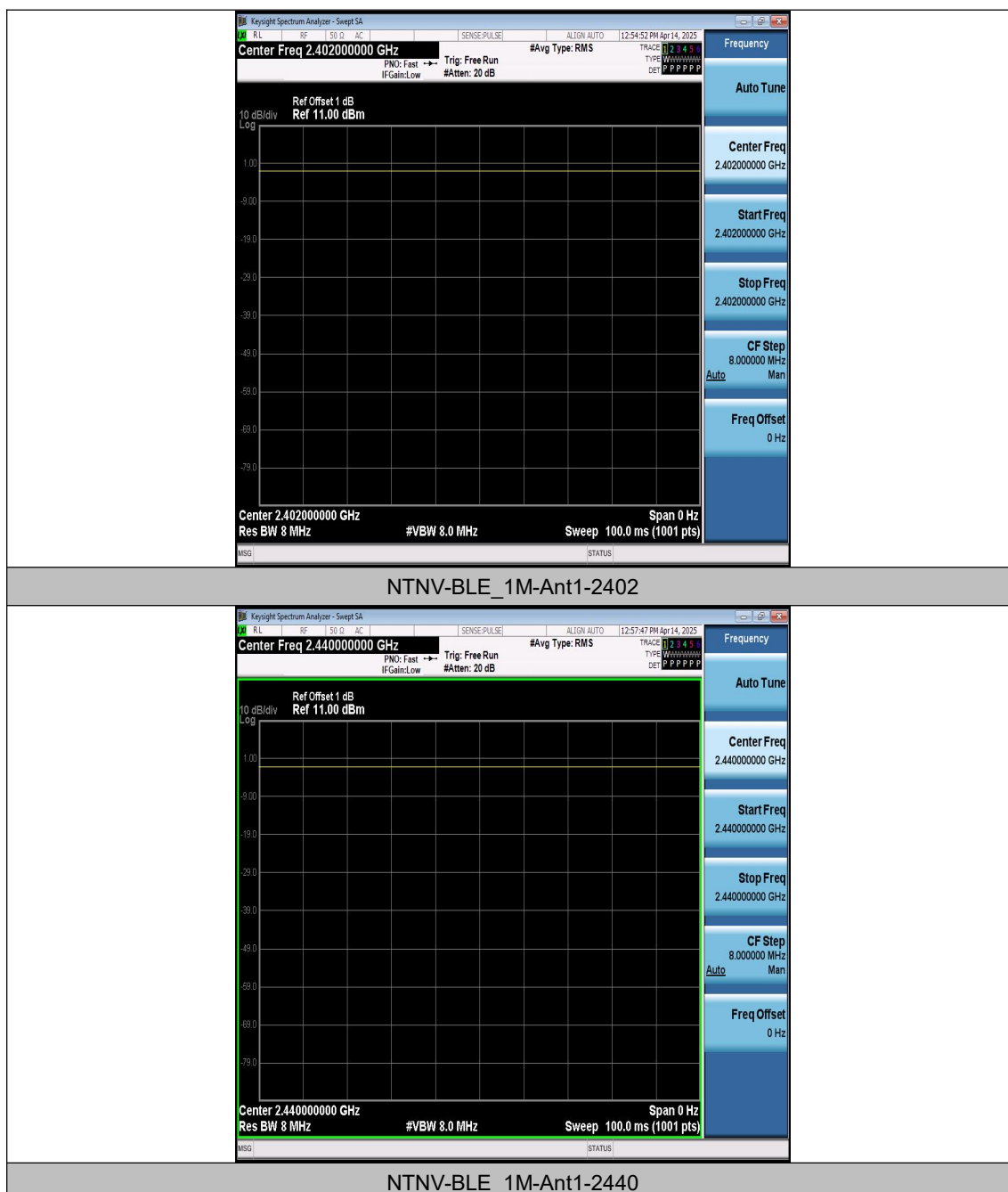


Appendix G: Duty Cycle

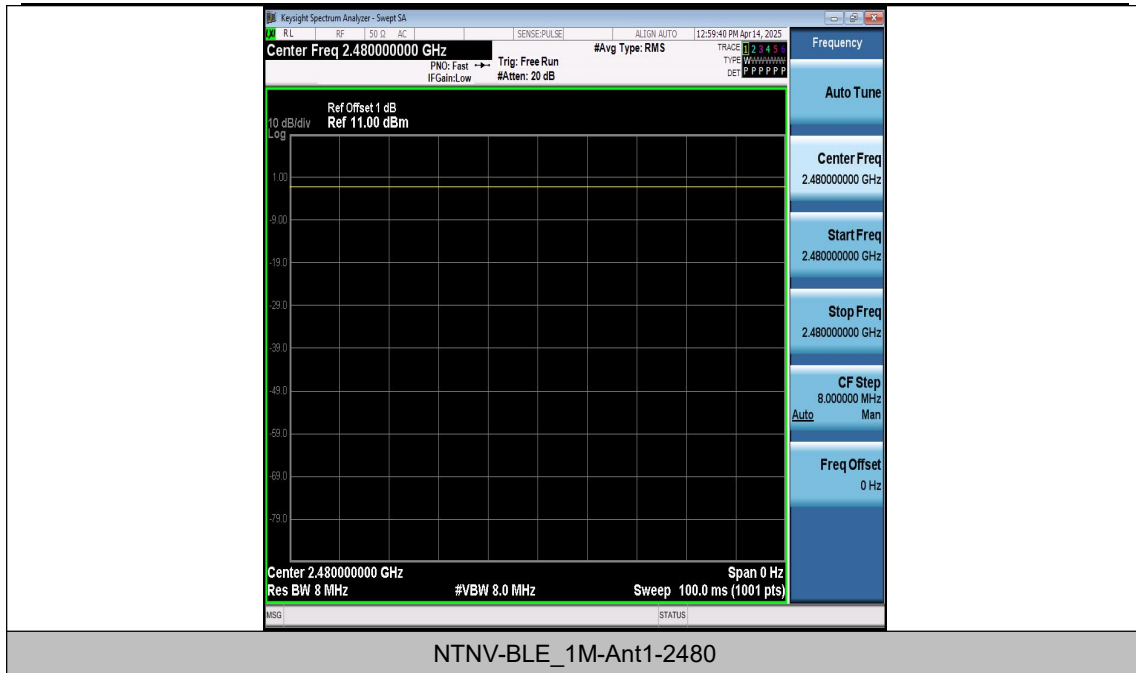
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.00	0.00	100	NaN
BLE_1M	Ant1	2440	0.00	0.00	100	NaN
BLE_1M	Ant1	2480	0.00	0.00	100	NaN

Test Graphs



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